

10/537299

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

JC17 Rec'd PCT/PTO 02 JUN 2005

In re Patent Application of)

Hideki UMETANI et al.)

Application No.:)

Filed: June 2, 2005)

For: METHOD FOR PREPARING 2-
DEOXYALDOSES (as amended))

Group Art Unit:

Examiner:

Confirmation No.:

FIRST INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. § 1.56, the accompanying information is being submitted in accordance with 37 C.F.R. §§ 1.97 and 1.98.

The listed documents were either cited in the specification or the International Search Report in the corresponding PCT application.

To assist the Examiner, the documents are listed on the attached form PTO-1449. However, copies of the documents of the documents cited in the International Search Report are not provided as it is understood that they have already been transmitted by the International Bureau. It is respectfully requested that an Examiner initialed copy of this form be returned to the undersigned.

Respectfully submitted,

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Substitute for form 1449A/PTO & 1449B/PTO

FIRST INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

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of

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Completed known

Application Number

10/537299

Filing Date

June 2, 2005

First Named Inventor

Hideki UMETANI et al.

Examiner Name

Attorney Docket Number

018765-220

U.S. PATENT DOCUMENTS

Examiner Initials	Document Number	Kind Code (if known)	Name of Patentee or Applicant of Cited Document	Issue/Publication Date (MM-DD-YYYY)
	5,391,769	A	Matsumoto et al.	02-21-1995
	5,322,955	A	Matsumoto et al.	06-21-1994

FOREIGN PATENT DOCUMENTS

Examiner Initials	Document Number	Kind Code (if known)	Country	Date of Publication (MM-DD-YYYY)	STATUS						
					Translation	Partial Translation	Eng. Lang. Summary	Search Report	IPER	Abstract	Cited in Spec
	93/02070	A1	WO (corres to US 5,391,769)	02-04-1993				X			
	92/14721	A1	WO (corres to US 5,322,955)	09-03-1992				X			

NON-PATENT LITERATURE DOCUMENTS

Examiner Initials	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	VEKEMANS et al., "Vitamin C and Isovitamin C Derived Chemistry. 3. Chiral Butenolides via Efficient 2,3-Didehydroxylations of L-Gulono, D-Mannono-, and D-Ribono-1,4-lactones," <i>J. Org. Chem.</i> , 1988 pp. 627-633, Vol. 53, No. 3, American Chemical Society*
	SHING et al., "Enantiospecific Synthesis of D-Mannono-δ-lactam from Vitamin C," <i>Journal of the Chemical Society, Chemical Communications</i> , 1988, p. 1221, No. 18*
	SORIANO et al., "Catalytic Hydrogenation of L-Ascorbic Acid (Vitamin C): A Stereoselective Process for the Production of L-Gulono-1,4-Lactone," <i>Synthetic Communications</i> , 1995, pp. 3263-3265, Vol. 25, No. 20, Marcel Dekker, Inc.*
	MADSON et al., "The oxidation of 3-deoxy-D- <i>erythro</i> -hexos-2-ulose ("3-deoxyglucosone") to 3-deoxy-D- <i>erythro</i> -2-hexulosonic acid ("2-keto-3-deoxy-D-gluconate") by D-glucose oxidase," <i>Carbohydrate Research</i> , 1983, pp. 288-291, Vol. 115, Elsevier Science Publishers B.V.*
	ZINNER et al., "Derivatives of sugar dithioacetal.XXXV., 2-Deoxy-D-threopentose, preparation and dithioacetal formation," <i>Chemische Berichte</i> , 1964, pp. 3536-3540, Vol. 97, No. 12 (German language)*
	SOWDEN, "A Convenient Method of Preparing 2-Deoxy-D-ribose," <i>J. Am. Chem. Soc.</i> , 1954, pp. 3541-3542, Vol. 76*
	BOCK et al., "Preparation of 3-Deoxy-aldonolactones by Hydrogenolysis of Acetylated Aldonolactones," <i>Acta Chemica Scandinavica</i> , 1981, pp. 155-162, Vol. B35, Acta Chemica Scandinavica*

*Copy attached.

Examiner Signature	Date Considered
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with M.P.E.P. § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.